

02167000 SALUDA RIVER AT CHAPPELLES, SC

LOCATION.--Lat 34°10'40'', long 81°51'40'', Newberry County, Hydrologic Unit 03050109, on left bank, on downstream side of bridge on State Highway 39 at Chappells, 6.7 mi downstream from dam at Lake Greenwood, 9.8 mi upstream from Little River, and at mile 52.3.

DRAINAGE AREA.--1,360 mi².

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected since 1905 are contained in reports of National Weather Service.

GAGE.--Data collection platform. Datum of gage is 362.89 ft above NGVD of 1929. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft downstream at datum 363.79 ft above NGVD of 1929. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Lake Greenwood (see sta. 02166500).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 26, 1908 reached a stage of 36.7 ft (present site and datum), from reports of National Weather Service.

Discharge, cubic feet per second
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	626	849	1020	1150	868	1570	1120	994	523	2860	2130	536
2	621	779	1100	1160	819	1420	1060	1320	542	2020	1940	542
3	635	786	1350	1260	954	1110	1040	1980	535	1300	1440	696
4	637	793	1170	1300	850	943	1010	1660	746	1400	1460	902
5	629	767	1250	1640	1120	965	898	767	565	1560	1160	1010
6	916	751	1230	1700	2470	957	621	746	536	1230	1010	1050
7	1420	957	1170	1810	4690	950	695	865	498	1210	590	2340
8	1240	852	1170	1260	4660	940	e485	641	553	1190	597	4380
9	905	851	1170	1740	4300	945	e582	624	774	1120	599	10100
10	723	1010	1160	1910	2810	944	e482	799	816	868	596	14200
11	726	1020	1280	1540	1390	938	e428	686	778	857	570	9260
12	730	858	2250	1160	3020	924	e736	766	770	858	760	4210
13	995	842	2170	1130	3290	849	1080	868	1010	856	1190	3890
14	1160	854	3040	1090	1740	725	e972	945	832	862	1150	3870
15	1170	865	2770	1080	3060	824	e1450	1010	676	857	1030	5540
16	937	862	1750	1080	4610	943	1310	806	954	856	914	4940
17	743	845	2230	1090	3910	933	1300	616	1230	802	688	3250
18	733	728	1960	1220	1700	849	1170	788	1210	670	745	2310
19	738	926	1320	1740	1320	784	1000	809	1160	780	545	2180
20	682	1890	1310	1440	1000	708	957	1100	1200	1140	521	2340
21	638	3030	1310	1370	984	714	e837	1190	816	1150	519	2410
22	626	2550	1300	1220	1220	825	e731	992	1190	961	524	1940
23	735	1290	1300	1220	1460	670	772	796	1300	632	528	1230
24	817	1280	1290	1220	1410	744	708	556	1260	604	561	1220
25	814	1250	1290	1260	1130	615	698	528	1110	598	568	1250
26	810	1100	1290	1860	993	734	865	753	968	598	568	1250
27	808	1090	1290	1910	1330	592	933	546	1130	595	556	2710
28	984	1080	1230	1490	1800	556	693	614	2140	769	548	5820
29	1170	1110	1090	1330	1740	700	617	525	1490	757	538	11900
30	1180	1110	799	1630	---	614	789	519	1700	999	534	9880
31	1060	---	952	1150	---	879	---	647	---	1530	536	---
TOTAL	26608	32975	45011	43160	60648	26864	26039	26456	29012	32489	25615	117156
MEAN	858	1099	1452	1392	2091	867	868	853	967	1048	826	3905
MAX	1420	3030	3040	1910	4690	1570	1450	1980	2140	2860	2130	14200
MIN	621	728	799	1080	819	556	428	519	498	595	519	536
CFSM	0.63	0.81	1.07	1.02	1.54	0.64	0.64	0.63	0.71	0.77	0.61	2.87
IN.	0.73	0.90	1.23	1.18	1.66	0.73	0.71	0.72	0.79	0.89	0.70	3.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

MEAN	1437	1391	1856	2551	2612	2915	2517	1777	1456	1239	1370	1317
MAX	8243	3417	5486	8844	5564	9236	10480	3970	3576	3008	9626	6709
(WY)	1930	1958	1933	1936	1960	1929	1936	1929	1965	2003	1928	1929
MIN	243	265	536	679	609	475	646	218	58.2	52.8	291	324
(WY)	1955	1954	1956	1956	2001	1988	1986	1940	1940	1940	2002	1999

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL TOTAL	879132		492033		1866	
ANNUAL MEAN	2409		1344		3110	
HIGHEST ANNUAL MEAN					732	
LOWEST ANNUAL MEAN					1988	
HIGHEST DAILY MEAN	20500	Mar 21	14200	Sep 10	56700	Oct 3 1929
LOWEST DAILY MEAN	621	Oct 2	e 428	Apr 11	8.0	Oct 29 1939
ANNUAL SEVEN-DAY MINIMUM	684	Sep 30	538	Aug 19	23	Jun 29 1940
MAXIMUM PEAK FLOW			14900	Sep 10	a 63700	Oct 2 1929
MAXIMUM PEAK STAGE			20.17	Sep 10	b 32.50	Oct 2 1929
ANNUAL RUNOFF (CFSM)	1.77		0.988		1.37	
ANNUAL RUNOFF (INCHES)	24.05		13.46		18.65	
10 PERCENT EXCEEDS	3770		2170		3770	
50 PERCENT EXCEEDS	1940		997		1360	
90 PERCENT EXCEEDS	853		596		490	

a From rating curve extended logarithmically above 29,000 ft³/s.

b Adjusted to present datum.

e Estimated

